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ABSTRACT

This book provides teachers with strategies to engage students actively in learning and focuses on the mathematics and science curricula for the middle and high school years. The strategies selected facilitate connections between the familiar and the unfamiliar. This method promotes learning that students find relevant. The 14 strategies have been grouped into three sections: (1) Activating Prior Knowledge (question of the day, bumper stickers, and people search); (2) Multiple Intelligences (Venn diagrams, ranking boxes, mind map, induction, listen-read-sketch-draft, multipass, know-wonder-learn, metaphors, and games); and (3) Reflections (stems and journals). Each chapter contains an introduction, procedures, and examples for use in mathematics and science classrooms. Contains 15 references. (MKR)

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